

NUMBERS & ODDITIES
the Spooks Newsletter
edition #99, September 2005

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Hello. Welcome to the 99th edition of N&O. Next month I hope to edit N&O #100 and I hope that you'll surprise me with loads of logs and your nice and/or interesting stories. Tell me why you listen to numbers stations or tell me about your most special numbers log. Send me..... whatever numbers related stuff. Let's make N&O #100 a very special one. I count on you!

Also inside are the usual Logs Section and the column "Intelligence Profile". This time covering Ireland.

Thanks to contributors Al, Tomonori, Wolfgang, Peter, Costas, Ron, Joe, Maciej, Jim, Kristian, Tony, Leif, Enigma12, Mark, Tom and Igor.

-0-0-0-0-0-0-0-0-0-0-

* VOICE STATIONS *

::: E03

Lincolnshire Poacher idents. Compiled by Al.

First half of the month:

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	36716	36716	36716	36716	36716	36716	36716	1200
1300	73901	73901	73901	73901	73901	73901	73901	1300
1400	69435	62587	25448	81695	36716	49323	99740	1400
1500	99740	69435	62587	25448	81695	36716	67178	1500
1600	67178	99740	69435	62587	25448	81695	49323	1600
1700	49323	67178	99740	69435	62587	25448	36716	1700
1800	36716	49323	67178	99740	69435	62587	81695	1800
1900	81695	73901	49323	73901	99740	69435	73901	1900
2000	73901	36716	73901	67178	73901	99740	25448	2000
2100	25448	81695	36716	49323	67178	73901	62587	2100

2200 62587 25448 81695 36716 49323 67178 69435 2200

Second half of the month:

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	13198	13198	13198	13198	13198	13198	13198	1200
1300	96854	96854	96854	96854	96854	96854	96854	1300
1400	80599	07743	67558	01149	13198	25252	48350	1400
1500	48350	80599	07743	67558	01149	13198	86289	1500
1600	86289	48350	80599	07743	67558	01149	25252	1600
1700	25252	86289	48350	80599	07743	67558	13198	1700
1800	13198	25252	86289	48350	80599	07743	01149	1800
1900	01149	96854	25252	96854	48350	80599	96854	1900
2000	96854	13198	96854	86289	96854	48350	67558	2000
2100	67558	01149	13198	25252	86289	96854	07743	2100
2200	07743	67558	01149	13198	25252	86289	80599	2200

<<<<<>>>>

::: E03a (E04)

Cherry Ripe idents. Compiled by Tomonori.

First half of the month:

UTC	Sun	Mon	Tue	Wed	Thu	Fri	UTC
2200	20751	06281	70807	02300	06281		2200
2300	06281	70807	02300	06281	24124		2300
0000		70807	02300	06281	24124	45029	0000
0100		02300	06281	24124	45029	86764	0100
1000		06281	24124	45029	86764	20751	1000
1100		24124	45029	86764	20751	06281	1100
1200		45029	86764	20751	06281	70807	1200
1300		86764	20751	06281	70807	02300	1300

Second half of the month:

82509, 20389, 70807, 55107, 21226, 29133, 15075

Tomonori also reports a number of anomalies of Cherry Ripe.

- ID 70807 was sent at 0000 UTC on 6-9 while ID 02300 was expected.
- ID 02300 appeared at 1000 UTC on 6-9 while ID 24124 was expected.
- Cherry Ripe's transmission was already in progress at 1200 UTC on 16-9. The same happened at 1300 UTC.

- The reset cycle of the clock, which has a delay of 3.6 seconds per day, has been changed from 1 week to 1 month since 20 July.
- The call-up has been changed since 25/September. It is currently:
 Cherry Ripe tune x 12
 ID x 4
 Cherry Ripe tune x 12
 ID x 4
 Cherry Ripe tune x 12
 ID x 4
 Cherry Ripe tune x 12
 ID x 4
 Cherry Ripe tune x 12
 ID x 4
 Chime x 6
 and into 5FG x 2
 In the past, the ID is repeated 10 times.
- The slot of each ID has been changed, but the frequencies and times seem to be the same.

Many thanks for sharing your observations, Tomonori san.

<<<<<>>>>>

::: E10

7-9, 1800 UTC, 4880 kHz:	ULX 1
7-9, 1900 UTC, 4270 kHz:	PCD 1
13-9, 1800 UTC, 4880 kHz:	ULX 1
13-9, 1900 UTC, 4270 kHz:	PCD 1
14-9, 1900 UTC, 4270 kHz:	PCD 1
15-9, 1940 UTC, 4780, 7605 kHz:	KPA C58D5
15-9, 2005 UTC, 4780, 7605 kHz:	KPA C58D5
15-9, 2005 UTC, 3640, 5339 kHz:	MIW A2B20
19-9, 2000 UTC, 5820//9202 kHz:	YHF 1
27-9, 1945 UTC, 7918 kHz:	Mixed transmission. VLB2 + message on the same frequency, at the same time.
27-9, 2000 UTC, 5820//9202 kHz:	YHF 1

<<<<<>>>>>

::: E22

Frequencies: 15040 and 17385 kHz. The latter was sometimes a bit off frequency. 17386 and 17387 were measured. The accent sounds more Indian or Pakistani than Arabic. The station uses both male and female operators.

The following logs appeared on the Spooks and Enigma 2000 mailing lists:

11-9, 1030 UTC: Golf November 2
11-9, 1130 UTC: Golf Mike 5
11-9, 1230 UTC: Romeo Mike 8
17-9, 1030 UTC: Bravo November 2
17-9, 1130 UTC: Hotel Sierra 5
17-9, 1230 UTC: Delta Yankee 7
17-9, 1330 UTC: Golf Mike 5
17-9, 1430 UTC: November Romeo 9

<<<<<>>>>>

::: V02 / M08

The Cuban station and its morse companion M08 are active as ever. See also our logs section. Mark has posted quite a few logs.

He also noticed that in week 38 the 0900/1000 UTC daily V2c sked has been using the time/freq slots for V2a format broadcasts. The same happened on 25-9; the 0900/1000 UTC expected V2c sked was again replaced with V2a broadcasts on 7887/7975 MHz. Mark says: "At 1000z on 8174m, M8a up loud and clear, in progress. Then abruptly stops at about 1015z before the third message. After a pause, a weak V2c in progress was heard on 8173m. M8a never returned! The 1100z M8a on 3926m was supposed to be the repeat of 1000z M8a on 3926m. The 1100z should have been on 4173m, but the operator forgot to change freqs from the hour before!"

The way the Cubans have been broadcasting this past year, you would think all the older ops have retired and the newer ones have taken their place. Late skeds, early skeds, no skeds, V2a instead of V2c or M8a and vice versa. It really is turning into a "comedy of errors" for these networks! I really wonder who is running the show in Cuba. Obviously, his/her superiors do not care about quality, and the poor recipients of these broadcasts must really get frustrated as to when and where a good quality message will arrive."

On the 26th Mark reports another change: "It now looks like the six daily afternoon V2c skeds are now being changed over to V2a format. The two early morning skeds have already changed last week. The times and frequency schedule that V2c has been using for at least eight months is still being used by the new V2a skeds."

In a note from Tom we can read: "I've noticed something interesting with the new switch to V2c for the 0900-1000 UTC transmissions. After each TX, almost around the top of the hour, the station repeat the header several times before signing off. I also think the 1000 UTC is a repeat of the 0900 UTC tx, just like it was with V2c. It is strange, but also pretty neat how this seems to be one of the most active numbers station when it comes to format changes."

Thanks for the reports, Mark and Tom. Much appreciated!

-0-0-0-0-0-0-0-0-0-0-

* MORSE STATIONS *

::: MX

Cluster beacons:

D - 4557.7, 5153.7, 7038.7, 8494.7, 10871.7 kHz
P - 5153.8, 7038.8, 20047.8 kHz
S - 4557.9, 5153.9, 7038.9, 8494.9, 10871.9, 13527.9 kHz
C - 4558, 5154, 7039, 8495, 10872, 13528, 16332 kHz
F - 7039.2 kHz
K - 7039.3 kHz
M - 7039.4 kHz

Unid beacon "Ch" was heard during a couple of days on 7038.9, 8494.9, 10871.9, 13528.9 kHz. "Ch" is the Cyrillic letter that looks like the letter "h" upside down. In morse: ---. I assume that this is either a malfunctioning "C" or "P".

Other anomalies were reported by Fritz:

"C" on 7039, 10872 and 13528 is ---. instead of -.-.

"A" on 10873 temporarily on at 13-9, loud and clear for some hours.

Channel markers:

V - 3658 kHz

L - 3203.2, 4469.6 kHz

"L" has been sending .-... instead of .-.. for a number of days. On 21-9, 1931 UTC, the station stopped its transmission while sending .-... It did not return that evening. The next day the id was back to normal. At the time of writing (28-9) the wrong id .-... is sent again.

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::: M08 / V02

The Cuban station and its voice companion V02 is active as ever. See also our logs section. Mark has posted quite a few logs. See also V02.

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::: M21

Russian Air Defense is still using 4542, 5201 and 7913.5 kHz. ID on all frequencies is "0". Sample messages: =99t127??t??? 99t128??t????

M21 variant:

Heard on 26-9 at 0620 UTC on 6922 kHz: XNFV (rptd) then FGs similar to M21.

<<<<<>>>>>

::: M22

A note from Fritz reveals that on 26-9 at 1800 UTC, 5000 kHz was an additional frequency to parallel frequencies 2680, 4331 and 6379 kHz.

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::: M41

Regularly heard on 4959 kHz around 1600 UTC with roundslip WLSB and messages.

See also the UNID section.

<<<<<>>>>>

::: M51

No sign of M51. It looks like it's really gone this time. FAV22 however remained. The Morse lessons are on at 0830 and 1130 UTC.

<<<<<>>>>>

::: M62

Fritz copied M62 on 19-9 at 0600 UTC on it's usual frequency 3486 kHz with "XOP3 XOP3 XOP3 +"

<<<<<>>>>>

::: M89

"V CP17 CP17 CP17 DE L9CC L9CC" was heard on the following frequencies: 3547, 3549.3, 3551, 7049, 7050, 7053, 7062, 7062.6, 7063.5, 7064, 7065.5, 7067, 7069, 7069.6, 7073.2, 7076, 7078.5 kHz.

"V T3AP T3AP T3AP DE QF3K QF3K" on 5727 kHz

-0-0-0-0-0-0-0-0-0-0-

* VARIOUS MODES *

M42: 7935 kHz, Dept. of State Comms, Moscow?, RUS?. 2149 UTC, 2 Sept,
Mode: 11-tone MFSK 125Bd. Continuous tfc to unlocated
station.

XSL: 6250, 6417, 6445, 8313.5, 8588, 8703.5 kHz. Slot Machine.

S28: 4625 kHz, The Buzzer. Very loud as usual. Daily.

S30: 3756 kHz, The Pip. Daily.

S32: 3828 kHz, Squeaky Wheel. Occasionally.

XM: 4742 kHz, Whales.

-0-0-0-0-0-0-0-0-0-0-

* UNIDS *

::: BEACONS

4 pirate(?) beacons were reported by Glenn and Zack on 12 and 30 Sept.

4089 kHz: 1 dash (t)

4095.5-4096 kHz: 4 long dashes
1 long dash (t)
2 dots (i)

<<<<<>>>>

::: TNXW / WZD

Igor's unid from last month appears to be M41. Hmmmmm, I should have
noticed that myself :-(The clue is in the final part of the message:
"WZD".

tnxw tnxw tnxw (rptd)
r ta iii 3 nw
tnxw tnxw nw
iii nw nw
xxx ga? aa
xxx 4662 r 4662 qsa? k
xxx 4662 rr 4662 r 4662 qsa? k
kk nw nw xxx 3419 r 3419 r 3419 qsa? k
kk nw nw no no no
iiiiii
ee
ok ok 22222 wzd wzd nr nr 16 ar 16 aa 16 a qal? k

tno co co co co to
ee
iiiiiiiiiii nw nw

<<<<<>>>>>

Three more from Igor. Ideas anyone?

7726 kHz, 1302 UTC, 22-9.

...
221tt 821tt 21tt 826ttt 21tt 382tt 781tt 821tt 811tt 821tt
981tt 222tt 921tt 222tt 222ttt 1tttt 46ttttt (stopped)

<<<<<>>>>>

::: UNID on 5500 kHz

5500 kHz, 2316 UTC, 21-9.

... bk bk bk
bk qsa3 qsa? k
qtc 8 qrv k
as k
for 98434 fm 97668 r ? k
xxx = 68141 562t2 41729 84231 7613t r ? k
cfm = =
for 98434 fm 97667 r ? k
xxx = t2136 79213 78932 14927 79221 r ? k
cfm =
for 98434 fm 97669 r ? k
xxx = t8123 23621 64464 89t61 82131 r ? k
cfm =
for 98434 fm 97668 r ? k
xxx = 55947 2t211 1t611 33472 59415 r ? k
cfm = =
for 98434 fm 9766t r ? k
xxx = 57216 23589 89389 8445t 56592 r ? k
cfm
for 98434 fm 97667 r ? k
= 84t3t r ? k
= 84t53 77587 3t4t4 9394t 51337 21t32 25173 7t341 72t36 3633t
t3t76 64835 57254 82542 31887 4t152 22315 69424 496t4 56528
64739 5241t 32145 67961 t6185 64t19 t78t5 967t1 253t3 t4345 r ? k
cfm =
for 98434 fm 97669 r ? k
... <vy qrm>

<<<<<>>>>>

::: UNID "POL"

10285 kHz, 1300 UTC, 21-9.

kaw kaw kaw kaw kaw de pol pol vvvv
kaw kaw kaw de pol pol pol vvv
kaw kaw kaw de pol pol pol msg msg vvv
kaw kaw de pol msg nw nr 054 ck ck 35 = = =
n57nu duuut 4t76d 7346a u5u43 dtt37 dud4n 4addn 37n7a 3t64a
ud5ud 4d47u 534a3 nd6tu du33a nd466 n3ntd nau6n 3nada 53343
u4udu 53n73 n65at 4a7ad u33u7 u3366 6d473 a66a3 n3uaa datdt
dn343 734uu 7nuu3 4353u ua364
ar ar znn znn va va i e

<<<<>>>>

Two more unids. This time from Fritz.

Heard on 22-9, 1530 UTC on 6914 kHz: roundslip VRB7

<<<<>>>>

Heard on 22-9, 1535 UTC, 13420 kHz:

YCA YCA 85856 85856

2 minutes pause

YCA YCA 82177 82177

2 minutes pause

QSL1 nil sk sk

-0-0-0-0-0-0-0-0-0-0-

* MILITARY STATIONS *

::: CIS / RUSSIAN / UKRAINIAN CW & SSB STATIONS

18.1 RDL: Russian Military. Krasnodar transmitter.
2932 'RFF' Net. RFFN wkg stations on 3933 kHz
3933 'RFF' Net. Stations RFFM, RFF0, RFFP, RFFR, RFFT, RFFy (y = ----)
4456 Russian Mil: YWYK wkg QCCD, 2SOL
4471 Russian Mil: ANEI, 7JWU, 04IT, T001, AKQJ, 9BXK, NL4I, FTWZ,
PV8P. QSX 3969 kHz
4489 Russian Mil: 3MWZ, B1LW, LX7X, NMYS, A4ND, 4UJI.
"QTC 122 33 26 0106 122 = ZML 621 = HPNE, MMMMM CJLHD ... LRXDO
WYPWO 111 AR"
4544.5 CIS Mil: KH1C, LBV2. "LBV2 de de KH1C R? QYE2 QYE2 R?K
OK QYE2 NR NR 35105 ..."
5099 Unid. Ukrainian Mil? 4N2V clg DTQB

5300 Russian Mil: Enciphered Morse
 7044 Russian Air Force: REA4
 8345 Russian navy: RMC99 clg RIT, Fleet HQ, Severomorsk.
 RMZW: Russian Warship clg RIT
 8816 Russian mil aircraft 71498 reports flight details to destinations
 XLLS and XMWH. Acknowledged by RJF94.
 9145 Russian navy: RIW clg RGN90 //11000 kHz. QSX 8322 kHz
 9373 Baltic Fleet Kaliningrad: RMP clg RMC99 "RMC99 de RMP QSA? K"
 10201 Russian navy: RCV. Weather report. Also nawarea msgs to RCJG.
 11000 Russian navy: RIW clg RGN90. //9145 kHz. QSX 8322 kHz.
 RIW wkg with RLA88 on 12464 kHz.
 11155 Russian navy: RIT HQ Northern Fleet Severomorsk clg RGR77.
 RIT QSO with RLA88 on 12464 kHz.

 12464 Russian Warship: RCJG msg to RIW "... 80012 49057 30016 = RCJG K.
 RCJG RPT FOR RIW K. OK QRU K.
 RIW DE RCJG QSA3 QSA? K. OK QAP K."
 13469 Russian navy: RIW Moscow QSO RJD25.
 14108 Russian Mil: I6J5, JVCM, LWNK, 2BWU, SBZG, Y1CQ, VNNC, YNBH,
 G3BW, OWQ7, QP6F, G9ZB, NWIN, C40S, A50U, 9K0Z, LGIS, V6CM,
 N2GE, ECJ2, WY4Z, V3HR, 9MHR, B5GP

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::: CW & SSB STATIONS; OTHER COUNTRIES

5448 kHz: FDG: French Air Force Bordeaux. VVV marker
 5687 kHz: German Air Force Muenster (DHM91) wkg GAF339, GAF403 and
 GAF469
 5795 kHz: Argentine Air Force. "Salta" clg "Oran" for a weather report
 6856.4 kHz: FDI8: French Air Force Nice. VVV marker

A number of German warships were reported on various frequencies, all working with Navy Wilhelmshaven, DHJ59.

4162.5 kHz: DRFO: Minehunter Hameln M1092
 DRAQ: FGS Bremen F207
 4555.2 kHz: DLVY: ZB Hamburg
 5680 kHz: DRFO: FGS Hameln M1092
 6777.2 kHz: DRKA: FGS Berlin A1411
 DRAQ: FGS Bremen F207
 7445.7 kHz: DHJ58: German Navy Gluecksburg wkg DREZ
 8333.5 kHz: DX : Submarine 179 U30
 DRLA: FGS Planet A1415
 DRFB: FGS Homburg M1069
 DRAX: FGS Gorch Fock
 DRMF: FGS Schwedeneck Y860
 10190.7 kHz: DRAQ: FGS Bremen F207

10206.2 kHz: DRDI: Submarine 194 U15
10720.2 kHz: DRFB: FGS Homburg M1069
DRFO: FGS Hameln M1092
13097.6 kHz: DRDI: Submarine S194 U15

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On 22-9 I copied the Polish Air Defense with a great signal on 2349, 2656 and 2790 kHz. Maciej, who alerted me, sent the following detailed report.

2349 kHz: "Uwaga! Tu Warmia" msg type for Air Defense units.
Warmia - 2nd Air Defense Corps (2KOP) in Bydgoszcz.
QRG linked to 2656 kHz.

2656 kHz: "Uwaga! Tu Warmia" msg type for Air Defense units. Warmia
Air Def in Bydgoszcz.

2790 kHz: "Uwaga! Tu Hawana" msg type for Air Defense units.

According to a government instruction book from 2002, these transmissions take place on each Thursday between 1600 and 2200 hours local time.

Sample message:

Uwaga, tu WARMIA, tu WARMIA-PORADNIA-FALA 7108"

Uwaga - Attention!
tu WARMIA - 2KOP callsign
PORADNIA - callsign of the former Slupskie voivodship *)
FALA - advance air strike warning
7 - air strike from the west
1 - mass air strike
08 - targets closing at 0,8km altitude
Tecza - danger call off, sirens off

*) A voivodship was a feudal state in medieval Romania, Hungary, Poland, Russia and Serbia, ruled by a Voivod (voivode). The Voivod was the military commander next to the ruler. The term voivodship is still used for the 16 administrative regions in Poland. (Source: Wikipedia)

Code names used in the messages:

2 KOP (WARMIA)
Former Gdanskie voivodship (IZERA)
Former Slupskie voivodship (PORADNIA)
HAWANA
PIANOLA
UCZELNIA

LAWICA (Lawica is an airport in Poznan)

Dictionary:

Immediate danger (GROM)

Info on danger in advance (FALA)

Danger call off (TECZA)

Training is over (KONIEC TRENINGU, KONIEC TRENINGU)

Danger heading in numbers 1-8:

- | | | |
|--------|--------|--------|
| 1. N | 2. N-E | 3. E |
| 4. S-E | 5. S | 6. S-W |
| 7. W | 8. N-W | |

Character of danger in numbers 1-3:

1. Mass air strike
2. Small group air strike
3. Single target air strike

Target height in km:

00. Small altitude
99. Unknown altitude

-0-0-0-0-0-0-0-0-0-0-

★ INTELLIGENCE PROFILE: IRELAND ★

::: BACKGROUND

Celtic tribes settled on the island from 600-150 B.C. Invasions by Norsemen that began in the late 8th century were finally ended when King Brian BORU defeated the Danes in 1014. English invasions began in the 12th century and set off more than seven centuries of Anglo-Irish struggle marked by fierce rebellions and harsh repressions. A failed 1916 Easter Monday Rebellion touched off several years of guerrilla warfare that in 1921 resulted in independence from the UK for 26 southern counties; 6 northern (Ulster) counties remained part of the United Kingdom. In 1948 Ireland withdrew from the British Commonwealth; it joined the European Community in 1973. Irish governments have sought the peaceful unification of Ireland and have cooperated with Britain against terrorist groups. A peace settlement for Northern Ireland, known as the Good Friday Agreement and approved in 1998, is being implemented with some difficulties.

::: GENERAL

Country: Republic of Ireland (Ireland)

Capital: Dublin

Administrative divisions:

26 counties; Carlow, Cavan, Clare, Cork, Donegal, Dublin, Galway, Kerry, Kildare, Kilkenny, Laois, Leitrim, Limerick, Longford, Louth, Mayo, Meath, Monaghan, Offaly, Roscommon, Sligo, Tipperary, Waterford, Westmeath, Wexford, Wicklow. Note: Cavan, Donegal, and Monaghan are part of Ulster Province.

::: MILITARY, SECURITY & INTELLIGENCE

Military branches:

Army (including Naval Service and Air Corps)

Irish Intelligence and Security Agencies:

G-3 Military Intelligence Branch of the Army

Sciath·n FianÚglach an Airm

An Garda Siochana

- Special Services
- Security & Intelligence
- Special Detective Unit (SDU)

Emergency Response Unit

* "glaigh nah-...ireann (Irish Defence Forces)

Two Irish intelligence units are within "glaigh nah-...ireann;

1. The G-3 Military Intelligence Branch of the Irish Defence Forces Military Intelligence. The most secretive unit, it is known to have a liaison relationship with Britain's SIS and MI5 and the USA's FBI and CIA.

2. Sciath·n FianÚglach an Airm (Army Ranger Wing).

This unit is quite similar to Britain's SAS. The missions of this unit are multiple, including long range patrolling, training of other units, VIP security, anti-hijacking, hostage rescue, and counter-terrorism. These duties, specifically as they related to counter-terrorism, are considered supplemental to Ireland's primary response unit, the Garda Siochana.

* An Garda Siochana (Guardians of the Peace).

Ireland's National Police Service which has primary responsibility for law and order, including the protection of the internal security of the State. The state is divided in 23 policing divisions. The Deputy Commissioner of Operations is responsible for the following units:

- Special Services
- Security & Intelligence
- Special Detective Unit (SDU)

The Special Services (Operational Support Unit) consists of four units who provide specialist support to operational Gardai throughout the

country. These units are;

- Garda Air Support Unit
- Garda Mounted Unit
- Garda Water Unit
- Garda Dog Unit

Security and Intelligence.

The activity of the Security and Intelligence section involves the monitoring of trends in subversive and criminal activity in the State. This section is also involved in the collection of intelligence on national and international terrorism, and has organised international conferences and seminars on international Policing issues.

Special Detective Unit (SDU).

The Special Detective Unit deals with matters pertaining to the security of the State, and aims at combating the activities of unlawful groups within the State, with a particular focus on anti-terrorism. While operating within the legal framework of the State and current Garda Síochána Regulations, the Unit is capable of effectively resolving any situation where armed resistance is known or anticipated and providing an effective armed protection service to persons categorised as 'high risk' by Assistant Commissioner, Crime and Security.

* Emergency Response Unit (ERU)

The ERU replaced the various Divisional Task Forces from the 1980's. These Divisions were targeted at the IRA and violent crime. The ERU specialises in arresting IRA members and dealing with bank robberies, armed raids, etc.

::: SOURCES / FURTHER READINGS

- Statewatching the new Europe (<http://www.statewatch.org>)
- CIA World Factbook
- Federation of American Scientists (FAS) (<http://www.fas.org>)
- Eye Spy magazine (<http://www.eyespy.com>)
- An Garda Síochána website (<http://www.garda.ie>)
- Sciathán Fianúglach an Airm website (<http://www.military.ie>)

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* LOGS SECTION *

3025.0	M08a	ID ...83 ----- (Very heavy QRN + weak signal) CW
		10-9-2005 Sat 1000 (MS)
3025.0	M08a	(In progress) ID ----- 63642 26202 CW 17-9-2005 Sat
		1000 (MS)
3150	E10	in progress CW 27-9-2005 1836 (RGA)

3150.0 E10 PCD, 38, JPYPS //4270 //6498 AM 13-9-2005 Tue 0000
3150.0 E10 PCD USB 22-9-2005 Thu 0230 (BS4)
3203.2 MX Channel marker "L" CW 15-9-2005 Thu 2038 (AB)
3203.2 MX Channel marker "L" CW 20-9-2005 Tue 2050 (AB)
3203.6 MX Channel marker "L" CW 3-9-2005 0500 (CK)
3557 E10 KPA 12 OLXCV//4780 AM 18-9-2005 Sun 1820 (E12)
3557.0 E10 KPA2//4780, 7605 USB 26-9-2005 Mon 0315 (BS4)
3640 E10 KPA2 AM 1-9-2005 Thu 1815 (E12)
3640 E10 KPA2 AM 2-9-2005 Fri 1815 (E12)
3640 E10 KPA2 AM 5-9-2005 Mon 1815 (E12)
3640 E10 MIW2 AM 7-9-2005 Wed 1815 (E12)
3640 E10 MIW2 AM 13-9-2005 Tue 1815 (E12)
3640 E10 MIW2 AM 14-9-2005 Wed 1815 (E12)
3640 E10 MIW A2B20 AM 15-9-2005 Thu 2005 (AB)
3640 E10 MIW2 AM 18-9-2005 Sun 1815 (E12)
3640 E10 MIW 14 MJUHT AM 18-9-2005 Sun 1845 (E12)
3640 E10 MIW2 AM 21-9-2005 Mon 1815 (E12)
3640 E10 MIW2 AM 27-9-2005 Tue 1815 (E12)
3640 E10 MIW2 AM 27-9-2005 Tue 1815 (E12)
3640 E10 MIW2 AM 29-9-2005 Thu 1815 (E12)
3640.0 E10 MIW2//5339 USB 14-9-2005 Wed 1815 (JAQ)
3640.0 E10 MIW2 USB 22-9-2005 Thu 0215 (BS4)
3640.0 E10 MIW2//4648, 5339 USB 26-9-2005 Mon 0315 (BS4)
3658 MX Channel marker "V" CW 15-9-2005 Thu 2038 (AB)
3756 S30 Pip CW 15-9-2005 Thu 2030 (AB)
3756 S30 Pip CW 20-9-2005 Tue 2051 (AB)
3828 S32 Squeaky Wheel 20-9-2005 Tue 2051 (AB)
3840.0 E10 YHF in tfc USB 11-9-2005 Sun 0330 (BS4)
3926.0 M08a (In progress) CW 9-9-2005 Fri 1000 (MS)
3926.0 M08a ID 92324 26462 04134 CW 18-9-2005 Sun 1000 (MS)
3926.0 M08a ID 32092 39132 26466 CW 23-9-2005 Fri 1000 (MS)
3926.0 M08a ID 76641 85302 03041 CW 25-9-2005 Sun 1000 (MS)
3926.0 M08a ID ----- 85302 ----- (Signal fades out before 3rd
message sent.) CW 25-9-2005 Sun 1100 (MS)
4015.0 E10 VLB2//5170, 6370 USB 22-9-2005 Thu 0145 (BS4)
4027 M08a in progress CW 27-9-2005 0336 (Vambo)
4027.0 M08a (In progress) ID ----- 04133 ----- CW 17-9-2005 Sat
4035 V02a in progress AM 28-9-2005 0609 (Vambo)
4035.0 V02a (In progress) A84971 ----- (YL/SS) AM 17-9-2005
Sat 1000 (MS)
4165 E10 CI02, //5230 AM 1-9-2005 Thu 1845 (E12)
4165 E10 CI02, //5230 AM 2-9-2005 Fri 1845 (E12)
4165 E10 CI02, //5230 AM 5-9-2005 Mon 1845 (E12)
4165 E10 CI02, //5230 AM 7-9-2005 Wed 1845 (E12)
4165 E10 CI02, //5230 AM 13-9-2005 Tue 1845 (E12)
4165 E10 CI02, //5230 AM 14-9-2005 Wed 1845 (E12)
4165 E10 CI02, //5230 AM 18-9-2005 Sun 1845 (E12)
4165 E10 CI02, //5230 AM 21-9-2005 Mon 1845 (E12)

4165	E10	CI02, //5230 AM 27-9-2005 Tue 1845 (E12)
4165	E10	CI02, //5230 AM 29-9-2005 Thu 1845 (E12)
4165.0	E10	CI02//5230 USB 14-9-2005 Wed 1845 (JAQ)
4165.0	E10	CI02//5230 USB 14-9-2005 Wed 1845 (JAQ)
4165.0	E10	CI02//5230, 6912 USB 22-9-2005 Thu 0145 (BS4)
4173.0	M08a	ID 92324 26462 04134 (Repeat of 1000z on 3926m) CW 18-9-2005 Sun 1100 (MS)
4270	E10	PCD 68 FTLUH AM 1-9-2005 Thu 1800 (E12)
4270	E10	PCD 97 YERRS AM 1-9-2005 Thu 1830 (E12)
4270	E10	PCD2 AM 1-9-2005 Thu 1900 (E12)
4270	E10	PCD 68 FTLUH AM 2-9-2005 Fri 1800 (E12)
4270	E10	PCD 97 YERRS AM 2-9-2005 Fri 1830 (E12)
4270	E10	PCD2 AM 2-9-2005 Fri 1900 (E12)
4270	E10	PCD 68 FTLUH AM 5-9-2005 Mon 1800 (E12)
4270	E10	PCD 97 YERRS AM 5-9-2005 Mon 1830 (E12)
4270	E10	PCD2 AM 5-9-2005 Mon 1900 (E12)
4270	E10	PCD 79 QNSPY AM 7-9-2005 Wed 1800 (E12)
4270	E10	PCD 97 YERRS AM 7-9-2005 Wed 1830 (E12)
4270	E10	PCD1 AM 7-9-2005 Wed 1900 (E12)
4270	E10	PCD 79 QNSPY AM 13-9-2005 Tue 1800 (E12)
4270	E10	PCD 97 YERRS AM 13-9-2005 Tue 1830 (E12)
4270	E10	PCD1 AM 13-9-2005 Tue 1900 (E12)
4270	E10	PCD 79 QNSPY AM 14-9-2005 Wed 1800 (E12)
4270	E10	PCD 97 YERRS AM 14-9-2005 Wed 1830 (E12)
4270	E10	PCD1 AM 14-9-2005 Wed 1900 (E12)
4270	E10	PCD 31 MYLGO AM 18-9-2005 Sun 1800 (E12)
4270	E10	PCD 97 YERRS AM 18-9-2005 Sun 1830 (E12)
4270	E10	PCD 17 PGOXH AM 18-9-2005 Sun 1900 (E12)
4270	E10	PCD 31 MYLGO AM 21-9-2005 Mon 1800 (E12)
4270	E10	PCD 97 YERRS AM 21-9-2005 Mon 1830 (E12)
4270	E10	PCD2 AM 21-9-2005 Mon 1900 (E12)
4270	E10	PCD 31 MYLGO AM 27-9-2005 Tue 1800 (E12)
4270	E10	PCD 97 YERRS AM 27-9-2005 Tue 1830 (E12)
4270	E10	PCD2 AM 27-9-2005 Tue 1900 (E12)
4270	E10	PCD 31 MYLGO AM 29-9-2005 Thu 1800 (E12)
4270	E10	PCD 97 YERRS AM 29-9-2005 Thu 1830 (E12)
4270	E10	PCD2 AM 29-9-2005 Thu 1900 (E12)
4270.0	E10	PCD, 38, JPYPS //3150 //6498 AM 13-9-2005 Tue 0000
4270.0	E10	PCD 79 QNSPY USB 14-9-2005 Wed 1800 (JAQ)
4270.0	E10	PCD 97 YERRS USB 14-9-2005 Wed 1830 (JAQ)
4270.0	E10	PCD1 USB 14-9-2005 Wed 1900 (JAQ)
4270.0	E10	PCD1 USB 14-9-2005 Wed 1900 (JAQ)
4360	E10	SYN2//6930 AM 1-9-2005 Thu 1845 (E12)
4360	E10	SYN2//6930 AM 2-9-2005 Fri 1845 (E12)
4360	E10	SYN2//6930 AM 5-9-2005 Mon 1845 (E12)
4360	E10	SYN2//6930 AM 7-9-2005 Wed 1845 (E12)
4360	E10	SYN2//6930 AM 13-9-2005 Tue 1845 (E12)
4360	E10	SYN2//6930 AM 14-9-2005 Wed 1845 (E12)

4360	E10	SYN2//6930 AM 18-9-2005 Sun 1845 (E12)
4360	E10	SYN2//6930 AM 21-9-2005 Mon 1845 (E12)
4360	E10	SYN2//6930 AM 27-9-2005 Tue 1845 (E12)
4360	E10	SYN2//6930 AM 29-9-2005 Thu 1845 (E12)
4360.0	E10	SYN2//6930 USB 8-9-2005 Thu 0045 (BS4)
4360.0	E10	SYN2//6930 USB 14-9-2005 Wed 1845 (JAQ)
4360.0	E10	SYN2//6930 USB 14-9-2005 Wed 1845 (JAQ)
4360.0	E10	SYN2//6930, 7445 USB 22-9-2005 Thu 0145 (BS4)
4461	E10	FTJ2 AM 1-9-2005 Thu 1800 (E12)
4461	E10	FTJ2 AM 2-9-2005 Fri 1800 (E12)
4461	E10	FTJ2 AM 5-9-2005 Mon 1800 (E12)
4461	E10	FTJ2 AM 7-9-2005 Wed 1800 (E12)
4461	E10	FTJ2 AM 13-9-2005 Tue 1800 (E12)
4461	E10	FTJ2 AM 14-9-2005 Wed 1800 (E12)
4461	E10	FTJ2 AM 18-9-2005 Sun 1800 (E12)
4461	E10	FTJ2 AM 21-9-2005 Mon 1800 (E12)
4461	E10	FTJ2 AM 27-9-2005 Tue 1800 (E12)
4461	E10	FTJ2 AM 29-9-2005 Thu 1800 (E12)
4461.0	E10	FTJ 16 JZJZF USB 4-9-2005 Sun 0100 (BS4)
4461.0	E10	FTJ2 sent once then at 18:01 and 30s FTJ2 sent until 18:04 and 30 USB 4-9-2005 Sun 1759 (MUK)
4461.0	E10	YL reading letter codes USB 5-9-2005 Mon 2100 (HC)
4461.0	E10	FTJ USB 5-9-2005 Mon 2330 (BS4)
4461.0	E10	FTJ in tfc USB 11-9-2005 Sun 2330 (BS4)
4461.0	E10	FTJ2 USB 14-9-2005 Wed 1800 (JAQ)
4461.0	E10	FTJ2 USB 17-9-2005 Sat 0400 (BS4)
4461.0	E10	FTJ2 USB 18-9-2005 Sun 0400 (BS4)
4461.0	E10	FTJ2 USB 18-9-2005 Sun 1804 (MUK)
4461.0	E10	FTJ USB 20-9-2005 Tue 0100 (BS4)
4461.0	E10	FTJ 15 JTAXP USB 21-9-2005 Wed 0300 (BS4)
4461.0	E10	FTJ USB 22-9-2005 Thu 0300 (BS4)
4461.0	E10	FTJ 16 JZJZF USB 26-9-2005 Mon 0100 (BS4)
4469.6	MX	Channel marker "L" CW 2-9-2005 0334 (CK)
4478.0	M08a	ID 25883 72482 26201 (rpt of 1000z on 3025m) CW 10-9-2005 Sat 1100 (MS)
4478.0	M08a	ID 59091 63642 26202 (Repeat of 1000z on 3025m) CW 17-9-2005 Sat 1100 (MS)
4507.0	V02a	(YL/SS, In progress, missed callup) USB 10-9-2005 Sat 1100 (MS)
4542	M21	Russian Air Defense 992305??0????? ... 992397??0????? CW 27-9-2005 1908 (RGA)
4557.7	MX	Cluster beacon "D" CW 20-9-2005 Tue 2046 (AB)
4557.9	MX	Cluster beacon "S" CW 20-9-2005 Tue 2046 (AB)
4558	MX	Cluster beacon "C" CW 15-9-2005 Thu 2031 (AB)
4558	MX	Cluster beacon "C" CW 20-9-2005 Tue 2042 (AB)
4560.0	E10	YHF 78 IMKNL//5820 USB 15-9-2005 Thu 0230 (BS4)
4560.0	E10	YHF 78 IMKNL//5820 USB 22-9-2005 Thu 0230 (BS4)
4625	S28	Buzzer 15-9-2005 Thu 2040 (AB)

4625	S28	Buzzer 20-9-2005 Tue 2048 (AB)
4648	E10	MIW 14 MJUHT AM 18-9-2005 Sun 1800 (E12)
4648	E10	MIW 14 MJUHT AM 18-9-2005 Sun 1845 (E12)
4648.0	E10	MIW2//3640, 5339 USB 26-9-2005 Mon 0315 (BS4)
4742	MX	Whales 27-9-2005 1959 (AB)
4742.0	XM	S7-8 on RAF FQ Backwards music or whales, sounds like feedback to USB 27-9-2005 Tue 1908 (MUK)
4780	E10	KPA C58D5 AM 15-9-2005 Thu 2005 (AB)
4780	E10	KPA 12 OLXCV AM 18-9-2005 Sun 1845 (E12)
4780.0	E10	KPA2 then message for group 12! odd as the 2 in KPA2 should mean USB 18-9-2005 Sun 1807 (MUK)
4780.0	E10	KPA2//7605 USB 22-9-2005 Thu 0215 (BS4)
4780.0	E10	KPA2//3557, 7605 USB 26-9-2005 Mon 0315 (BS4)
4880	E10	ULX2 AM 1-9-2005 Thu 1800 (E12)
4880	E10	ULX2 AM 2-9-2005 Fri 1800 (E12)
4880	E10	ULX2 AM 5-9-2005 Mon 1800 (E12)
4880	E10	ULX1 AM 7-9-2005 Wed 1800 (E12)
4880	E10	ULX1 AM 13-9-2005 Tue 1800 (E12)
4880	E10	PCD tx AM 14-9-2005 Wed 1800 (E12)
4880	E10	ULX2 AM 18-9-2005 Sun 1800 (E12)
4880	E10	ULX2 AM 21-9-2005 Mon 1800 (E12)
4880	E10	ULX1 AM 27-9-2005 Tue 1800 (E12)
4880	E10	ULX1 AM 29-9-2005 Thu 1800 (E12)
4880.0	E10	ULX USB 7-9-2005 Wed 0200 (BS4)
4880.0	E10	ULX, 2 msgs, 92 BKSEM / 13 FMZOF, aborted AM 13-9-2005 Tue 2130 (RNL)
4880.0	E10	ULX USB 14-9-2005 Wed 1800 (JAQ)
4880.0	E10	ULX 28 ??I?F USB 15-9-2005 Thu 0200 (BS4)
4880.0	E10	ULX2 USB 15-9-2005 Thu 0230 (BS4)
4880.0	E10	ULX USB 17-9-2005 Sat 0400 (BS4)
4880.0	E10	ULX USB 18-9-2005 Sun 0400 (BS4)
4880.0	E10	ULX2 USB 22-9-2005 Thu 0230 (BS4)
5020.0	M01	463-661/30=44157 CW 20-9-2005 Tue 2000 (HFD)
5091	E10	JSR2 AM 1-9-2005 Thu 1800 (E12)
5091	E10	JSR 58 EVNOC AM 1-9-2005 Thu 1830 (E12)
5091	E10	JSR 22 JAONH AM 1-9-2005 Thu 1900 (E12)
5091	E10	JSR2 AM 2-9-2005 Fri 1800 (E12)
5091	E10	JSR 58 EVNOC AM 2-9-2005 Fri 1830 (E12)
5091	E10	JSR 100 WMNPP AM 2-9-2005 Fri 1900 (E12)
5091	E10	JSR2 AM 5-9-2005 Mon 1800 (E12)
5091	E10	JSR 58 EVNOC AM 5-9-2005 Mon 1830 (E12)
5091	E10	JSR 100 WMNPP AM 5-9-2005 Mon 1900 (E12)
5091	E10	JSR2 AM 7-9-2005 Wed 1800 (E12)
5091	E10	JSR 58 EVNOC AM 7-9-2005 Wed 1830 (E12)
5091	E10	JSR 100 WMNPP AM 7-9-2005 Wed 1900 (E12)
5091	E10	JSR2 AM 13-9-2005 Tue 1800 (E12)
5091	E10	JSR 58 EVNOC AM 13-9-2005 Tue 1830 (E12)
5091	E10	JSR 100 WMNPP AM 13-9-2005 Tue 1900 (E12)

5091	E10	JSR2 AM 14-9-2005 Wed 1800 (E12)
5091	E10	JSR 58 EVNOC AM 14-9-2005 Wed 1830 (E12)
5091	E10	JSR 100 WMNPP AM 14-9-2005 Wed 1900 (E12)
5091	E10	JSR2 AM 18-9-2005 Sun 1800 (E12)
5091	E10	JSR 58 EVNOC AM 18-9-2005 Sun 1830 (E12)
5091	E10	JSR 100 WMNPP AM 18-9-2005 Sun 1900 (E12)
5091	E10	JSR2 AM 21-9-2005 Mon 1800 (E12)
5091	E10	JSR 58 EVNOC AM 21-9-2005 Mon 1830 (E12)
5091	E10	JSR2 AM 27-9-2005 Tue 1800 (E12)
5091	E10	JSR 58 EVNOC AM 27-9-2005 Tue 1830 (E12)
5091	E10	JSR AM 27-9-2005 1934 (RGA)
5091	E10	JSR2 AM 29-9-2005 Thu 1800 (E12)
5091	E10	JSR 58 EVNOC AM 29-9-2005 Thu 1830 (E12)
5091	E10	JSR 100 WMNPP AM 29-9-2005 Thu 1900 (E12)
5091.0	E10	FTJ, 88, WKIYD (rpt) AM 11-9-2005 Sun 2245 (RNL)
5091.0	E10	JSR2 USB 14-9-2005 Wed 1800 (JAQ)
5091.0	E10	JSR 58 EVNOC USB 14-9-2005 Wed 1830 (JAQ)
5091.0	E10	JSR 100 WMNPP USB 14-9-2005 Wed 1900 (JAQ)
5091.0	E10	JSR 100 WMNPP USB 14-9-2005 Wed 1900 (JAQ)
5153.7	MX	Cluster beacon "D" CW 20-9-2005 Tue 2046 (AB)
5153.9	MX	Cluster beacon "S" CW 20-9-2005 Tue 2046 (AB)
5154	MX	Cluster beacon "C" CW 2-9-2005 2140 (WP3)
5154	MX	Cluster beacon "C" CW 15-9-2005 Thu 2031 (AB)
5154	MX	Cluster beacon "C" CW 20-9-2005 Tue 2042 (AB)
5170	E10	VLB2 AM 1-9-2005 Thu 1845 (E12)
5170	E10	VLB2 AM 2-9-2005 Fri 1845 (E12)
5170	E10	VLB2 AM 5-9-2005 Mon 1845 (E12)
5170	E10	VLB2 AM 7-9-2005 Wed 1845 (E12)
5170	E10	VLB2 AM 13-9-2005 Tue 1845 (E12)
5170	E10	VLB2 AM 14-9-2005 Wed 1845 (E12)
5170	E10	VLB2 AM 18-9-2005 Sun 1845 (E12)
5170	E10	VLB2 AM 21-9-2005 Mon 1845 (E12)
5170	E10	VLB2 AM 27-9-2005 Tue 1845 (E12)
5170	E10	VLB2 AM 29-9-2005 Thu 1845 (E12)
5170.0	E10	VLB2 //6370 AM 11-9-2005 Sun 2245 (RNL)
5170.0	E10	VLB2 //6370 AM 12-9-2005 Mon 2351 (RNL)
5170.0	E10	VLB2 USB 14-9-2005 Wed 1845 (JAQ)
5170.0	E10	VLB2 USB 14-9-2005 Wed 1845 (JAQ)
5170.0	E10	VLB2//4015, 6370 USB 22-9-2005 Thu 0145 (BS4)
5201	M21	PV0 =99 strings CW 4-9-2005 Sun 1734 (AB)
5201	M21	Russian Air Defense. =99t127??t??? =99t128??t???? CW 10-9-2005 2127 (WP3)
5201	M21	PV0. 99t131??t???? Time is UTC + 4 CW 17-9-2005 Mon 2131 (AB)
5201	M21	Russian Air Defense CW 20-9-2005 Tue 2057 (AB)
5230	E10	CI0 2 AM 30-9-2005 2251 (MAL)
5230.0	E10	CI02//6912 USB 8-9-2005 Thu 0045 (BS4)
5230.0	E10	CI02//4165 USB 14-9-2005 Wed 1845 (JAQ)

5230.0 E10 CI02//4165 USB 14-9-2005 Wed 1845 (JAQ)
5230.0 E10 CI02//4165, 6912 USB 22-9-2005 Thu 0145 (BS4)
5253.8 MX Cluster beacon "P" CW 2-9-2005 2140 (WP3)
5301.0 M10 591 78 34 , 34x5F, ends T T T CW 20-9-2005 Tue 0430
(ANEUR)
5301.0 S17C 57031 AM 20-9-2005 Tue 1250 (HFD)
5301.0 S17C 77030 AM 22-9-2005 Thu 1250 (HFD)
5301.0 S17C 70035 AM 27-9-2005 Tue 1250 (HFD)
5301.0 S17C 68030 AM 28-9-2005 Wed 1250 (HFD)
5301.0 S17C 67031 AM 29-9-2005 Thu 1250 (HFD)
5301.0 S17C 67036 AM 30-9-2005 Fri 1250 (HFD)
5337 E10 KPA2 AM 27-9-2005 Tue 1815 (E12)
5339 E10 MIW2 AM 1-9-2005 Thu 1815 (E12)
5339 E10 MIW2 AM 2-9-2005 Fri 1815 (E12)
5339 E10 MIW2 AM 5-9-2005 Mon 1815 (E12)
5339 E10 MIW2 AM 7-9-2005 Wed 1815 (E12)
5339 E10 MIW2 AM 13-9-2005 Tue 1815 (E12)
5339 E10 MIW2 AM 14-9-2005 Wed 1815 (E12)
5339 E10 MIW A2B20 AM 15-9-2005 Thu 2005 (AB)
5339 E10 MIW 14 MJUHT AM 18-9-2005 Sun 1800 (E12)
5339 E10 MIW2 AM 18-9-2005 Sun 1815 (E12)
5339 E10 MIW2 AM 21-9-2005 Mon 1815 (E12)
5339 E10 MIW2 AM 27-9-2005 Tue 1815 (E12)
5339 E10 MIW2 AM 29-9-2005 Thu 1815 (E12)
5339 E10 MIW2 AM 29-9-2005 Thu 1815 (E12)
5339.0 E10 MIW2//3640 USB 14-9-2005 Wed 1815 (JAQ)
5339.0 E10 MIW message for group 14 USB 18-9-2005 Sun 1839 (MUK)
5339.0 E10 MIW2//3640, 4648 USB 26-9-2005 Mon 0315 (BS4)
5435 E10 ART2 AM 1-9-2005 Thu 1800 (E12)
5435 E10 ART2 AM 1-9-2005 Thu 1830 (E12)
5435 E10 ART2 AM 1-9-2005 Thu 1900 (E12)
5435 E10 ART2 AM 2-9-2005 Fri 1800 (E12)
5435 E10 ART2 AM 2-9-2005 Fri 1830 (E12)
5435 E10 ART2 AM 2-9-2005 Fri 1900 (E12)
5435 E10 ART2 AM 5-9-2005 Mon 1800 (E12)
5435 E10 ART2 AM 5-9-2005 Mon 1830 (E12)
5435 E10 ART2 AM 5-9-2005 Mon 1900 (E12)
5435 E10 ART 26 LGKHQ AM 7-9-2005 Wed 1800 (E12)
5435 E10 ART2 AM 7-9-2005 Wed 1830 (E12)
5435 E10 ART2 AM 7-9-2005 Wed 1900 (E12)
5435 E10 ART2 AM 13-9-2005 Tue 1800 (E12)
5435 E10 ART2 AM 13-9-2005 Tue 1830 (E12)
5435 E10 ART2 AM 13-9-2005 Tue 1900 (E12)
5435 E10 ART2 AM 14-9-2005 Wed 1800 (E12)
5435 E10 ART2 AM 14-9-2005 Wed 1830 (E12)
5435 E10 ART2 AM 14-9-2005 Wed 1900 (E12)
5435 E10 ART2 AM 18-9-2005 Sun 1800 (E12)
5435 E10 ART2 AM 18-9-2005 Sun 1830 (E12)

5435	E10	ART2 AM 18-9-2005 Sun 1900 (E12)
5435	E10	ART2 AM 21-9-2005 Mon 1800 (E12)
5435	E10	ART2 AM 21-9-2005 Mon 1830 (E12)
5435	E10	ART2 AM 21-9-2005 Mon 1900 (E12)
5435	E10	ART2 AM 27-9-2005 Tue 1800 (E12)
5435	E10	ART2 AM 27-9-2005 Tue 1830 (E12)
5435	E10	ART2 AM 27-9-2005 Tue 1900 (E12)
5435	E10	ART2 AM 29-9-2005 Thu 1800 (E12)
5435	E10	ART2 AM 29-9-2005 Thu 1830 (E12)
5435	E10	ART2 AM 29-9-2005 Thu 1900 (E12)
5435.0	E10	ART in tfc USB 5-9-2005 Mon 0001 (BS4)
5435.0	E10	ART2 USB 5-9-2005 Mon 2330 (BS4)
5435.0	E10	ART USB 7-9-2005 Wed 0200 (BS4)
5435.0	E10	ART, 57, FHPXJ AM 13-9-2005 Tue 0000 (RNL)
5435.0	E10	ART 17 HZJZF USB 14-9-2005 Wed 0130 (BS4)
5435.0	E10	ART USB 14-9-2005 Wed 0200 (BS4)
5435.0	E10	ART2 USB 14-9-2005 Wed 1800 (JAQ)
5435.0	E10	ART2 USB 14-9-2005 Wed 1830 (JAQ)
5435.0	E10	ART2 USB 14-9-2005 Wed 1900 (JAQ)
5435.0	E10	ART2 USB 14-9-2005 Wed 1900 (JAQ)
5435.0	E10	ART 88 CPTNN, 27 AMOEW, MIW2 briefly intrudes USB 15-9-2005 Thu 0200 (BS4)
5435.0	E10	ART 162 PXUWI//6986 USB 17-9-2005 Sat 0400 (BS4)
5435.0	E10	ART 162 PXUFI//6986 USB 18-9-2005 Sun 0400 (BS4)
5435.0	E10	ART 17 H?JZF USB 20-9-2005 Tue 0130 (BS4)
5435.0	E10	ART2 USB 21-9-2005 Wed 0300 (BS4)
5435.0	E10	ART 17 ?ZJZF USB 22-9-2005 Thu 0130 (BS4)
5435.0	E10	ART2 USB 22-9-2005 Thu 0300 (BS4)
5470.0	S06	934:0 YL AM 23-9-2005 Fri 0610 (HFD)
5727	M89	V T3AP T3AP T3AP DE QF3K QF3K CW 7-9-2005 1652 (PP)
5758	XPA	197 1 00906 00113 AM 9-9-2005 2040 (PB)
5762.0	V02a	A32814 53102 21926 (YL/SS) AM 17-9-2005 Sat 0400 (MS)
5819	E10	YHF 2 AM 1-9-2005 Thu 1800 (E12)
5819	E10	YHF 2 AM 2-9-2005 Fri 1800 (E12)
5819	E10	YHF 2 AM 5-9-2005 Mon 1800 (E12)
5820	E10	YHF 2 AM 7-9-2005 Wed 1800 (E12)
5820	E10	YHF 2 AM 13-9-2005 Tue 1800 (E12)
5820	E10	YHF 2 AM 14-9-2005 Wed 1800 (E12)
5820	E10	YHF 2 AM 18-9-2005 Sun 1800 (E12)
5820	E10	YHF 1 AM 19-9-2005 Mon 2000 (AB)
5820	E10	YHF 2 AM 21-9-2005 Mon 1800 (E12)
5820	E10	YHF 2 AM 27-9-2005 Tue 1800 (E12)
5820	E10	YHF 1 AM 27-9-2005 2000 (AB)
5820	E10	YHF 2 AM 29-9-2005 Thu 1800 (E12)
5820.0	E10	YHF2 USB 7-9-2005 Wed 0200 (BS4)
5820.0	E10	YHF 12 TGWDH//7918 USB 14-9-2005 Wed 0130 (BS4)
5820.0	E10	YHF USB 14-9-2005 Wed 0200 (BS4)
5820.0	E10	YHF2 USB 14-9-2005 Wed 1800 (JAQ)

5820.0 E10 YHF2//7918 USB 15-9-2005 Thu 0200 (BS4)
 5820.0 E10 YHF 78 IMKNL//4560 USB 15-9-2005 Thu 0230 (BS4)
 5820.0 E10 YHF 122 OISPB USB 17-9-2005 Sat 0400 (BS4)
 5820.0 E10 YHF 122 OISPB USB 18-9-2005 Sun 0400 (BS4)
 5820.0 E10 YHF 12 TGWDH//7918 USB 20-9-2005 Tue 0130 (BS4)
 5820.0 E10 YHF 12 TGWDH//7918 USB 22-9-2005 Thu 0130 (BS4)
 5820.0 E10 YHF 78 IMKNL//4560 USB 22-9-2005 Thu 0230 (BS4)
 5883.0 V02a A32814 53102 21926 (YL/SS) (Repeat of 0400z on 5762m)
 AM 17-9-2005 Sat 0500 (MS)
 6250 XSL Japanese mil "Slot Machine" 27-9-2005 1813 (AB)
 6270 E10 ULX 43 XOZRJ AM 13-9-2005 Tue 1830 (E12)
 6270.0 E10 ULX//7760 USB 4-9-2005 Sun 0100 (BS4)
 6270.0 E10 UXL, 110, VAYXS AM 10-9-2005 Sat 0100 (RNL)
 6270.0 E10 ULX2 USB 12-9-2005 Mon 1934 (MUK)
 6270.0 E10 ULX 110 AYXSF//7760 USB 20-9-2005 Tue 0100 (BS4)
 6270.0 E10 ULX 110 AYXSF//7760 USB 26-9-2005 Mon 0100 (BS4)
 6271 E10 ULX 43 XOZRJ AM 1-9-2005 Thu 1830 (E12)
 6271 E10 ULX 43 XOZRJ AM 2-9-2005 Fri 1830 (E12)
 6271 E10 ULX 43 XOZRJ AM 5-9-2005 Mon 1830 (E12)
 6271 E10 ULX 43 XOZRJ AM 7-9-2005 Wed 1830 (E12)
 6271 E10 ULX 43 XOZRJ AM 14-9-2005 Wed 1830 (E12)
 6271 E10 ULX 43 XOZRJ AM 18-9-2005 Sun 1830 (E12)
 6271 E10 ULX 43 XOZRJ AM 21-9-2005 Mon 1830 (E12)
 6271 E10 ULX 43 XOZRJ AM 27-9-2005 Tue 1830 (E12)
 6271 E10 ULX 43 XOZRJ AM 29-9-2005 Thu 1830 (E12)
 6271.0 E10 ULX 43 XOZRJ USB 14-9-2005 Wed 1830 (JAQ)
 6340.0 S06 934:0 YL AM 23-9-2005 Fri 0600 (HFD)
 6370.0 E10 VLB2 //5170 AM 11-9-2005 Sun 2245 (RNL)
 6370.0 E10 VLB2 //5170 AM 12-9-2005 Mon 2351 (RNL)
 6370.0 E10 VLB2//4015, 5170 USB 22-9-2005 Thu 0145 (BS4)
 6417 XSL Japanese mil "Slot Machine" 27-9-2005 1813 (AB)
 6445 XSL Japanese mil "Slot Machine" 27-9-2005 1813 (AB)
 6445 XSL Slot Machine 29-9-2005 0645 (Vambo)
 6498.0 E10 PCD, 38, JPYPS //3150 //4270 AM 13-9-2005 Tue 0000
 6637.0 M13 474 (R5) BT 252 20 BT (Note: New Freq for Sept) CW
 8-9-2005 Thu 2230 (MS)
 6797.0 V02? AM 26-9-2005 Mon 2200 (MS)
 6797.0 V02c A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . .
 . (YL/SS) AM 22-9-2005 Thu 2200 (MS)
 6797.0 V02c A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . .
 . (YL/SS) AM 28-9-2005 Wed 2200 (MS)
 6840 E10 EZI 42 MRREK//9130 AM 1-9-2005 Thu 1800 (E12)
 6840 E10 EZI2 ///9130 AM 1-9-2005 Thu 1900 (E12)
 6840 E10 EZI 42 MRREK//9130 AM 2-9-2005 Fri 1800 (E12)
 6840 E10 EZI2 ///9130 AM 2-9-2005 Fri 1900 (E12)
 6840 E10 EZI 42 MRREK//9130 AM 5-9-2005 Mon 1800 (E12)
 6840 E10 EZI2 ///9130 AM 5-9-2005 Mon 1900 (E12)
 6840 E10 EZI 42 MRREK//9130 AM 7-9-2005 Wed 1800 (E12)

6840	E10	EZI2 ///9130 AM 7-9-2005 Wed 1900 (E12)
6840	E10	EZI 91 ?????//9130 AM 13-9-2005 Tue 1800 (E12)
6840	E10	EZI2 ///9130 AM 13-9-2005 Tue 1900 (E12)
6840	E10	EZI 91 ????? //9130 AM 14-9-2005 Wed 1800 (E12)
6840	E10	EZI2 ///9130 AM 14-9-2005 Wed 1900 (E12)
6840	E10	EZI 66 LLZNJ //9130 AM 18-9-2005 Sun 1800 (E12)
6840	E10	EZI2 ///9130 AM 18-9-2005 Sun 1900 (E12)
6840	E10	EZI 66 LLZNJ //9130 AM 21-9-2005 Mon 1800 (E12)
6840	E10	EZI2 ///9130 AM 21-9-2005 Mon 1900 (E12)
6840	E10	EZI 88 AMKTH //9130 AM 27-9-2005 Tue 1800 (E12)
6840	E10	EZI2 ///9130 AM 27-9-2005 Tue 1900 (E12)
6840	E10	EZI 83 ????? AM 29-9-2005 Thu 1800 (E12)
6840	E10	EZI2 ///9130 AM 29-9-2005 Thu 1900 (E12)
6840.0	E10	EZI2 USB 4-9-2005 Sun 0100 (BS4)
6840.0	E10	EZI2 USB 7-9-2005 Wed 0200 (BS4)
6840.0	E10	EZI2 USB 14-9-2005 Wed 0130 (BS4)
6840.0	E10	EZI2 USB 14-9-2005 Wed 0200 (BS4)
6840.0	E10	EZI 91 ?????//9130 USB 14-9-2005 Wed 1800 (JAQ)
6840.0	E10	EZI2//9130 USB 14-9-2005 Wed 1900 (JAQ)
6840.0	E10	EZI2//9130 USB 14-9-2005 Wed 1900 (JAQ)
6840.0	E10	EZI2 USB 15-9-2005 Thu 0200 (BS4)
6840.0	E10	EZI 95 EWCYP USB 15-9-2005 Thu 0230 (BS4)
6840.0	E10	EZI2//9130 USB 20-9-2005 Tue 0100 (BS4)
6840.0	E10	EZI2//9130 USB 20-9-2005 Tue 0130 (BS4)
6840.0	E10	EZI2 USB 22-9-2005 Thu 0130 (BS4)
6840.0	E10	EZI 70 CHXPB, 50 NDWUI USB 22-9-2005 Thu 0230 (BS4)
6840.0	E10	EZI2//9130 USB 26-9-2005 Mon 0100 (BS4)
6854.0	M08a	ID 55683 44272 71282 (Repeat of 2100z on 6933m) CW 14-9-2005 Wed 2200 (MS)
6854.0	M08a	ID 89082 35983 28633 (Repeat of 2100z on 6933m) CW 21-9-2005 Wed 2200 (MS)
6854.0	M08a	(Heavy QRN from local thunderstorms are blocking) CW 22-9-2005 Thu 2200 (MS)
6854.0	M08a	ID 27311 24482 ----- (In Progress) (Changed freq to 7519m at 2203 CW 28-9-2005 Wed 2200 (MS)
6855.0	V02a	A41343 35093 93953 (YL/SS) (Repeat of 2000z on 7887m) AM 26-9-2005 Mon 2100 (MS)
6855.0	V02a	A75772 28222 31142 (YL/SS) (Repeat of 2000z on 7887m) AM 28-9-2005 Wed 2100 (MS)
6855.0	V02a	A03231 27171 94791 (YL/SS) AM 30-9-2005 Fri 2100 (MS)
6855.0	V02c	USB 24-9-2005 Sat 2100 (MI)
6912.0	E10	CI02//5230 USB 8-9-2005 Thu 0045 (BS4)
6912.0	E10	CI02//4165, 5230 USB 22-9-2005 Thu 0145 (BS4)
6930.0	E10	SYN2//4360 USB 8-9-2005 Thu 0045 (BS4)
6930.0	E10	SYN2//4360 USB 14-9-2005 Wed 1845 (JAQ)
6930.0	E10	SYN2//4360 USB 14-9-2005 Wed 1845 (JAQ)
6930.0	E10	SYN2//4360, 7445 USB 22-9-2005 Thu 0145 (BS4)
6933.0	M08a	ID 55683 44272 71282 CW 14-9-2005 Wed 2100 (MS)

6933.0 M08a ID 89082 35983 28633 CW 21-9-2005 Wed 2100 (MS)
6950.0 E03 Its AM 18-9-2005 Sun 1100 (DQ)
6950.0 E06 690, 690, 690 00000 USB 4-9-2005 Sun 1930 (MUK)
6950.0 E06 690 00000 USB 18-9-2005 Sun 1930 (MUK)
6950.0 E06 690 repeated then 847/105 message lasting until 19:52!
USB 25-9-2005 Sun 1930 (MUK)
6959 E03 LP. Id 11010 USB 11-9-2005 Sun 1900 (AB)
6971 XPA 197 1 00906 00113 AM 9-9-2005 2020 (PB)
6986.0 E10 ART 162 PXUWI//5435 USB 17-9-2005 Sat 0400 (BS4)
6986.0 E10 ART 162 PXUFI//5435 USB 18-9-2005 Sun 0400 (BS4)
7038.7 MX Cluster beacon "D" CW 20-9-2005 Tue 2046 (AB)
7038.7 MX "S" out of Arkhangelsk CW 29-9-2005 Thu 1100 (TPA-b)
7038.9 MX Cluster beacon "S" CW 20-9-2005 Tue 2046 (AB)
7038.9 MX Beacon "i" (---.) CW 27-9-2005 1851 (AB)
7038.9 MX "C" out of Moscow CW 29-9-2005 Thu 1100 (TPA-b)
7039 MX Cluster beacon "C" CW 15-9-2005 Thu 2031 (AB)
7039 MX Cluster beacon "C" CW 20-9-2005 Tue 2042 (AB)
7039.1 MX Possibly an "O" marker out of Moscow? CW 29-9-2005 Thu
1100 (TPA-b)
7445.0 E10 SYN2//4360, 6930 USB 22-9-2005 Thu 0145 (BS4)
7519.0 M08a ID 78862 62962 06112 CW 14-9-2005 Wed 2200 (MS)
7519.0 M08a (Late start for sked. Came on over 17 minutes late,
in progress, CW 16-9-2005 Fri 2200 (MS)
7519.0 M08a ID 55573 89083 21433 CW 21-9-2005 Wed 2200 (MS)
7519.0 M08a (Late start - In progress at 2214z) ----- 32843
CW 26-9-2005 Mon 2200 (MS)
7519.0 M08a ID 92322 76392 89772 (Changed freq to 6854m at 2203z)
CW 28-9-2005 Wed 2200 (MS)
7520.0 V02a (YL/SS - Sked off to a late start, in progress, no
callup. Expect AM 23-9-2005 Fri 0900 (MS)
7520.0 V02c A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . .
. (YL/SS) AM 9-9-2005 Fri 0900 (MS)
7526.0 M08a ID 92321 76391 89771 CW 27-9-2005 Tue 2200 (MS)
7527.0 V02a A55703 55363 34263 (YL/SS) (This was a V2c scheduled
time and fre AM 22-9-2005 Thu 0900 (MS)
7527.0 V02a A87752 48532 62832 (YL/SS - expected V2c sked.) AM
26-9-2005 Mon 0900 (MS)
7527.0 V02a (Late start) ----- 62302 70602 (YL/SS) AM 29-9-2005
Thu 0900 (MS)
7527.0 V02a V2a, Calling 30062-62302-70602 20 over 9, solid
signal. AM 29-9-2005 Thu 0913 (TPA)
7583.0 V02a (In progress) (YL/SS) AM 26-9-2005 Mon 1000 (MS)
7605 E10 KPA C58D5 AM 15-9-2005 Thu 1940 (FN)
7605 E10 KPA C58D5 AM 15-9-2005 Thu 2005 (AB)
7605.0 E10 KPA2//4780 USB 22-9-2005 Thu 0215 (BS4)
7605.0 E10 KPA2//3557, 4780 USB 26-9-2005 Mon 0315 (BS4)
7605.0 S06 471:0 AM 21-9-2005 Wed 0820 (HFD)
7635.0 M13 417 (R5) ((Too weak for further copy)) CW 26-9-2005

Mon 1900 (MS)

7663.0 E11 232 oblique 00 USB 15-9-2005 Thu 0800 (MUK)

7681.0 V02a A55703 55363 34263 (YL/SS) (This was a V2c scheduled time and fire AM 22-9-2005 Thu 1000 (MS)

7681.0 V02a A87752 48532 62832 (YL/SS - expected V2c sked.)(Repeat of 0900z o AM 26-9-2005 Mon 1000 (MS)

7681.0 V02a A30062 62302 70602 (YL/SS - Repeat of 0900z sked on 7527m) AM 29-9-2005 Thu 1000 (MS)

7681.0 V02a Repeat of 0900, 30062-62302-70602 As strong as last TX AM 29-9-2005 Thu 1000 (TPA)

7760.0 E10 ULX//6270 USB 4-9-2005 Sun 0100 (BS4)

7760.0 E10 USB 6-9-2005 Tue 0100 (WK)

7760.0 E10 ULX 110 AYXSf//6270 USB 20-9-2005 Tue 0100 (BS4)

7760.0 E10 ULX 110 AYXSf//6270 USB 26-9-2005 Mon 0100 (BS4)

7795.0 S06 196:0 OM AM 23-9-2005 Fri 0600 (HFD)

7862.0 M08a ID ----- 41103 39393 (In progress) CW 29-9-2005 Thu 0800 (MS)

7887.0 V02a In progress. SS YL with 5 FG. Ending, "Final, final, final." AM 17-9-2005 Sat 2025 (DM)

7887.0 V02a A87751 48531 62831 (YL/SS - Repeat of 0900z on 7520m. Expected t AM 23-9-2005 Fri 1000 (MS)

7887.0 V02a A22193 02263 51153 (YL/SS - Expected V2c sked here.) AM 24-9-2005 Sat 0900 (MS)

7887.0 V02a Late start - In progress - YL/SS. Expected V2c sked here.) AM 25-9-2005 Sun 0900 (MS)

7887.0 V02a (Late start - In progress at 2008z) ----- 35093 93953 (YL/SS) AM 26-9-2005 Mon 2000 (MS)

7887.0 V02a A75772 28222 31142 (YL/SS) AM 28-9-2005 Wed 2000 (MS)

7887.0 V02c (In progress) (YL/SS) AM 9-9-2005 Fri 1000 (MS)

7887.0 V02c A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 (YL/SS) AM 10-9-2005 Sat 0900 (MS)

7913.5 M21 Russian Air Defense CW 19-9-2005 1823 (NG)

7918 E10 Mixed transmission. VLB2 + message AM 27-9-2005 1945 (AB)

7918.0 E10 YHF 12 TGWDH//5820 USB 14-9-2005 Wed 0130 (BS4)

7918.0 E10 YHF2//5820 USB 15-9-2005 Thu 0200 (BS4)

7918.0 E10 YHF 12 TGWDH//5820 USB 20-9-2005 Tue 0130 (BS4)

7918.0 E10 YHF 12 TGWDH//5820 USB 22-9-2005 Thu 0130 (BS4)

7935 M42 Dept of State Comms, Moscow? Msg to unid location 11-tone MFSK 125Bd 2-9-2005 2149 (LD0)

7975.0 M08a (In progress) ID ----- 33992 CW 25-9-2005 Sun

7975.0 V02a A22192 02262 51152 (YL/SS) (This should have been a V2c broadcast AM 18-9-2005 Sun 1000 (MS)

7975.0 V02a A22193 02263 51153 (YL/SS - Expected V2c sked here. Repeat of 09 AM 24-9-2005 Sat 1000 (MS)

7975.0 V02a A99541 81771 22701 (YL/SS - Expected V2c sked here.) AM 25-9-2005 Sun 1000 (MS)

7975.0 V02c A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . .

. (YL/SS) AM 10-9-2005 Sat 1000 (MS)

8009.0 M08a ID 78862 62962 06112 (Repeat of 2200z on 7519m) CW
14-9-2005 Wed 2300 (MS)

8009.0 M08a ID 55573 89083 21433 (Repeat of 2200z on 7519m) CW
21-9-2005 Wed 2300 (MS)

8009.0 M08a (Heavy QRN from local thunderstorms are blocking) CW
22-9-2005 Thu 2200 (MS)

8010.0 M08a ID 44203 87093 96643 CW 16-9-2005 Fri 0800 (MS)

8010.0 M08a ID 64216 14511 46531 CW 23-9-2005 Fri 0800 (MS)

8091.0 E11 232 oblique 00 a CW VVV was sent at 07:50 USB 2-9-2005
Fri 0800 (MUK)

8091.0 E11 232 oblique 00 USB 16-9-2005 Fri 0800 (MUK)

8091.0 E11 232/00 AM 30-9-2005 Fri 0800 (HFD)

8096.0 V02c USB 24-9-2005 Sat 1900 (MI)

8097.0 V02a (Station up, but his own carrier is
blocking/distorting transmiss AM 17-9-2005 Sat 0600

8097.0 V02a (In progress) ----- 14153 45073 (YL/SS) AM 26-9-2005
Mon 1900 (MS)

8097.0 V02a USB 29-9-2005 Thu 0006 (FAN)

8120.0 S06 601 00000 USB 26-9-2005 Mon 2015 (MUK)

8135.0 M08a ID 04181 49851 17661 CW 8-9-2005 Thu 2300 (MS)

8135.0 M08a ID 78864 62964 06114 (Should be a repeat of 2200z on
7519m) CW 16-9-2005 Fri 2300 (MS)

8135.0 M08a ID 52182 11841 74791 CW 17-9-2005 Sat 1100 (MS)

8135.0 M08a ID 55572 89082 21432 CW 20-9-2005 Tue 2300 (MS)

8135.0 M08a ID 68091 ----- (In Progress, missed some calls)
CW 22-9-2005 Thu 2300 (MS)

8135.0 M08a ID 92321 76391 89771 (Repeat of 2200z on 7526m) CW
27-9-2005 Tue 2300 (MS)

8136.0 M08a ID 35114 25183 74792 CW 18-9-2005 Sun 1000 (MS)

8136.0 M08a ID 63612 82371 73581 (Repeat of 1000z on 9238m) CW
24-9-2005 Sat 1100 (MS)

8136.0 V02a A----- 92681 (In progress) (YL/SS) AM 9-9-2005
Fri 0700 (MS)

8136.0 V02a (YL/SS - Sked off to a late start, in progress, no
callup) AM 23-9-2005 Fri 0700 (MS)

8173.0 V02c (Weak signal. Came up in progress, after M8a stopped
in mid sked AM 25-9-2005 Sun 1015 (MS)

8174.0 M08a ID ----- 22642 ----- (In progress - Stopped at 1015z,
then began CW 25-9-2005 Sun 1000 (MS)

8180.0 E06 690, 690, 690 00000 USB 4-9-2005 Sun 1830 (MUK)

8180.0 E06 690 00000 USB 18-9-2005 Sun 1830 (MUK)

8180.0 E06 690 repeated then 847/105 message lasting until 18:52!
USB 25-9-2005 Sun 1830 (MUK)

8188.0 E23 0123456789 and message USB 1-9-2005 Thu 1000 (MUK)

8188.0 E23 in progress USB 19-9-2005 Mon 1155 (MUK)

8190.0 S17c 70035 POZOR 45 05 KONEC Sedoom (7) nula (0) nula (0)
tri or she (USB 27-9-2005 Tue 1256 (MUK)

8313	XSL	Slot Machine 21-9-2005 0551 (Vambo)
8313.5	XSL	Japanese mil "Slot Machine" 27-9-2005 1813 (AB)
8494.7	MX	Cluster beacon "D" CW 20-9-2005 Tue 2046 (AB)
8494.7	MX	"C" out of Moscow CW 29-9-2005 Thu 1100 (TPA-b)
8494.9	MX	Cluster beacon "S" CW 20-9-2005 Tue 2046 (AB)
8494.9	MX	Beacon "i" (---.) CW 27-9-2005 1851 (AB)
8495	MX	Cluster beacon "C" CW 20-9-2005 Tue 2042 (AB)
8495.0	MX	"D" out of Odessa CW 29-9-2005 Thu 1100 (TPA-b)
8544.0	E11	184 oblique 36 followed by 77777 repeated then 47014, 123 and ful USB 13-9-2005 Tue 0830 (MUK)
8544.0	E11	312/00 AM 20-9-2005 Tue 1230 (HFD)
8544.0	E11	182 oblique 57 with full message USB 27-9-2005 Tue 0830 (MUK)
8588	XSL	Japanese mil "Slot Machine" 27-9-2005 1813 (AB)
8594.0	E11	312 oblique 00 USB 27-9-2005 Tue 1230 (MUK)
8695.0	S06	196:0 OM AM 23-9-2005 Fri 0610 (HFD)
8703.5	XSL	Japanese mil "Slot Machine" 27-9-2005 1813 (AB)
8759.0	E11	312 oblique 00 USB 13-9-2005 Tue 1030 (MUK)
8759.0	E11	312 oblique 00 USB 27-9-2005 Tue 1030 (MUK)
8800.0	E11	183 oblique 00 USB 27-9-2005 Tue 1300 (MUK)
9062	M08a	in progress CW 28-9-2005 0533 (Vambo)
9063.0	V02a	A62353 72852 01071 (YL/SS) AM 28-9-2005 Wed 0700 (MS)
9069.0	E07	105 1 for 482/72 tx dropped at 20:25 and 20:27 for a second or so AM 26-9-2005 Mon 2020 (MUK)
9084.0	XP	msg AM 23-9-2005 Fri 0600 (HFD)
9101	XPA	197 1 00906 00113 AM 9-9-2005 2000 (PB)
9130	E10	EZI2 AM 1-9-2005 Thu 1830 (E12)
9130	E10	EZI2 AM 2-9-2005 Fri 1830 (E12)
9130	E10	EZI2 AM 5-9-2005 Mon 1830 (E12)
9130	E10	EZI2 AM 7-9-2005 Wed 1830 (E12)
9130	E10	EZI2 AM 13-9-2005 Tue 1830 (E12)
9130	E10	EZI2 AM 14-9-2005 Wed 1830 (E12)
9130	E10	EZI2 AM 18-9-2005 Sun 1830 (E12)
9130	E10	EZI2 AM 27-9-2005 Tue 1830 (E12)
9130.0	E10	EZI 91 ?????//6840 USB 14-9-2005 Wed 1800 (JAQ)
9130.0	E10	EZI2 USB 14-9-2005 Wed 1830 (JAQ)
9130.0	E10	EZI2//6840 USB 14-9-2005 Wed 1900 (JAQ)
9130.0	E10	EZI2//6840 USB 14-9-2005 Wed 1900 (JAQ)
9130.0	E10	EZI2//6840 USB 20-9-2005 Tue 0100 (BS4)
9130.0	E10	EZI2//6840 USB 20-9-2005 Tue 0130 (BS4)
9130.0	E10	EZI USB 22-9-2005 Thu 0300 (BS4)
9130.0	E10	EZI2//6840 USB 26-9-2005 Mon 0100 (BS4)
9152.0	M08a	(Very heavy QRN + weak signal. Uncopiable!) CW 10-9-2005 Sat 1200 (MS)
9152.0	M08a	ID 52182 11841 74791 (Repeat of 1100z on 8135m) CW 17-9-2005 Sat 1200 (MS)
9153	V02a	in progress AM 26-9-2005 0511 (Vambo)
9153.0	M08a	ID 37923 03132 64563 CW 9-9-2005 Fri 1000 (MS)

9153.0 M08a (Late start. In progress.) ID ----- 22641 ----- CW
 23-9-2005 Fri 1000 (MS)
 9153.0 V02a A41642 01745 06296 (YL/SS) AM 8-9-2005 Thu 0700 (MS)
 9153.0 V02a A98071 51153 42686 (YL/SS) AM 22-9-2005 Thu 0700 (MS)
 9153.0 V02a A17181 26431 01072 (YL/SS) AM 29-9-2005 Thu 0700 (MS)
 9202 E10 YHF 1 AM 19-9-2005 Mon 2000 (AB)
 9202 E10 YHF 1 AM 27-9-2005 2000 (AB)
 9238 M08a in progress CW 21-7-2005 0714 (Vambo)
 9238.0 M08a (In progress) CW 9-9-2005 Fri 0700 (MS)
 9238.0 M08a ID 54482 39522 25582 CW 9-9-2005 Fri 0900 (MS)
 9238.0 M08a ID 43351 03133 52332 CW 11-9-2005 Sun 1100 (MS)
 9238.0 M08a (In Progress) CW 16-9-2005 Fri 0700 (MS)
 9238.0 M08a ID 44203 87093 96643 (Repeat of 0800z on 8010m) CW
 16-9-2005 Fri 0900 (MS)
 9238.0 M08a (In progress) ID ----- 23262 25541 CW 17-9-2005 Sat
 1000 (MS)
 9238.0 M08a ID 35114 25183 74792 (Repeat of 1000z on 8136m) CW
 18-9-2005 Sun 1100 (MS)
 9238.0 M08a ID 28906 83246 04466 CW 23-9-2005 Fri 0900 (MS)
 9238.0 M08a ID 63612 82371 73581 CW 24-9-2005 Sat 1000 (MS)
 9238.0 M08a ID 83913 22642 77533 CW 25-9-2005 Sun 1100 (MS)
 9238.0 M08a ID 93912 14513 46533 CW 28-9-2005 Wed 0700 (MS)
 9251.0 E03 in progress USB 4-9-2005 Sun 1827 (MUK)
 9251.0 E03 repeats of the same numbers (73901) in English and a
 melody playe USB 5-9-2005 Mon 2000 (HC)
 9251.0 E03 In progress USB 18-9-2005 Sun 1815 (MUK)
 9255.0 S06 471:0 AM 21-9-2005 Wed 0830 (HFD)
 9323.0 M08a (In progress) CW 25-9-2005 Sun 0900 (MS)
 9323.0 M08a ID 43291 03462 58331 CW 29-9-2005 Thu 1000 (MS)
 9330 M08a in progress CW 21-9-2005 0711 (Vambo)
 9331 V02 in progress AM 5-9-2005 0609 (Vambo)
 9354.0 V02a (In progress - YL/SS) AM 25-9-2005 Sun 0800 (MS)
 9354.0 V02a (In progress - YL/SS) USB 25-9-2005 Sun 0900 (MS)
 9480.0 S06 328:0 AM 21-9-2005 Wed 0840 (HFD)
 9950.0 S28? buzzing, no traffic AM 17-9-2005 Sat 1000 (DQ)
 10116.0 E07 201, 201, 201 1 for 988 63 starting off with 47391,
 38697, 30034, AM 4-9-2005 Sun 1740 (MUK)
 10116.0 E07 201 201 201 1 for 762/41 starting with 54533 AM
 25-9-2005 Sun 1740 (MUK)
 10126.0 M08a ID ----- 33991 (In progress) CW 24-9-2005 Sat
 10128.0 E07 in progress AM 26-9-2005 Mon 2008 (MUK)
 10344.0 M08a (Very heavy QRN + weak signal. Uncopiable!) CW
 10-9-2005 Sat 1100 (MS)
 10344.0 M08a ID 34982 23262 25541 (Repeat of 1000z on 9238m) CW
 17-9-2005 Sat 1100 (MS)
 10384.0 XP msg AM 23-9-2005 Fri 0620 (HFD)
 10446.0 M08a (In Progress) CW 16-9-2005 Fri 0800 (MS)
 10446.0 M08a ID 43291 03462 58331 (Repeat of 1000z on 9323m) CW

29-9-2005 Thu 1100 (MS)

10625.0 M13 458 (R5) BT 252 ((Fades away, too weak) CW 26-9-2005 Mon 2200 (MS)

10858.0 M08a ID 30351 85203 91423 CW 17-9-2005 Sat 1200 (MS)

10858.0 M08a ID ----- 46312 48412 (Late start for sked. Up at 1209z in first CW 24-9-2005 Sat 1200 (MS)

10871.6 MX "S" Arkhangelsk CW 29-9-2005 Thu 1100 (TPA-b)

10871.7 MX Cluster beacon "D" CW 20-9-2005 Tue 2046 (AB)

10871.7 MX "D" Odessa CW 29-9-2005 Thu 1100 (TPA-b)

10871.9 MX Beacon "i" (---.) CW 27-9-2005 1851 (AB)

10872 MX Cluster beacon "C" CW 20-9-2005 Tue 2042 (AB)

10872.0 MX "C" Moscow CW 29-9-2005 Thu 1100 (TPA-b)

11040.0 S06 328:0 AM 21-9-2005 Wed 0850 (HFD)

11062.0 E07 201, 201, 201 1 for 988 63 starting off with 47391, 38697, 30034, AM 4-9-2005 Sun 1720 (MUK)

11062.0 E07 201 00000 AM 18-9-2005 Sun 1720 (MUK)

11062.0 E07 201 201 201 1 for 762/41 starting with 54533 AM 25-9-2005 Sun 1720 (MUK)

11432.0 M08a ID 64215 40393 71773 CW 22-9-2005 Thu 0800 (MS)

11517.0 M13 714 (R5) BT 252 22 BT CW 22-9-2005 Thu 2000 (MS)

11517.0 M13 714 (R5) BT 252 22 BT CW 23-9-2005 Fri 2000 (MS)

11545 E03 LP. Id 11010 USB 11-9-2005 Sun 1900 (AB)

11584.0 XP AM 27-9-2005 Tue 0640 (MUK)

12093.0 M08a ID 30351 85203 91423 (Repeat of 1200z on 10858m) CW 17-9-2005 Sat 1300 (MS)

12093.0 M08a ID 56831 46312 48412 (Repeat of 1200z on 10858m) CW 24-9-2005 Sat 1300 (MS)

12118.0 M08a RTTY just on top of it CW 6-9-2005 Tue 0100 (WK)

12180.0 V02a AM 7-9-2005 Wed 0200 (WK)

12223.0 E07 201, 201, 201 1 for 988 63 starting off with 47391, 38697, 30034, AM 4-9-2005 Sun 1700 (MUK)

12223.0 E07 201 00000 AM 18-9-2005 Sun 1700 (MUK)

12223.0 E07 201 201 201 1 for 762/41 starting with 54533 AM 25-9-2005 Sun 1700 (MUK)

13436.0 V02a AM 6-9-2005 Tue 0100 (WK)

13527.9 MX Beacon "i" (---.) CW 27-9-2005 1851 (AB)

13533.0 E10 EZI, repeated by Y1, 21:05 message 253 66, then ICAO alphabet in AM 5-9-2005 Mon 2100 (HC)

15040 E22 Golf Mike 5 AM 11-9-2005 1125 (PB)

15040 E22 Romeo Mike 8 AM 11-9-2005 1225 (PB)

15040 E22 Romeo Mike 8 AM 11-9-2005 1230 (SAU)

15040 E22 Bravo November 2 AM 17-9-2005 1030 (SAU)

15040 E22 Hotel Sierra 5. Repeated at 1136 UTC AM 17-9-2005 Sat 1130 (AB)

15040 E22 Delta Yankee 7. Repeated at 1236 UTC AM 17-9-2005 Sat 1230 (AB)

15040 E22 Golf Mike 5. Repeated at 1336 UTC AM 17-9-2005 Sat 1330 (AB)

15040	E22	November Romeo 9. Repeated at 1436 UTC AM 17-9-2005 Sat 1430 (AB)
17385	E22	Golf Mike 5 AM 11-9-2005 1125 (PB)
17385	E22	Romeo Mike 8 AM 11-9-2005 1225 (PB)
17385	E22	Romeo Mike 8 AM 11-9-2005 1230 (SAU)
17385	E22	Bravo November 2 AM 17-9-2005 1030 (SAU)
17387	E22	Hotel Sierra 5. Repeated at 1136 UTC AM 17-9-2005 Sat 1130 (AB)
17387	E22	Delta Yankee 7. Repeated at 1236 UTC AM 17-9-2005 Sat 1230 (AB)
17387	E22	Golf Mike 5. Repeated at 1336 UTC AM 17-9-2005 Sat 1330 (AB)
17387	E22	November Romeo 9. Repeated at 1436 UTC AM 17-9-2005 Sat 1430 (AB)
20047.8	MX	Cluster beacon "P" CW 1-9-2005 0945 (WP3)

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WP3

Wolfgang Palmberger

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